EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 02036996
PUBLICATION DATE : 06-02-90

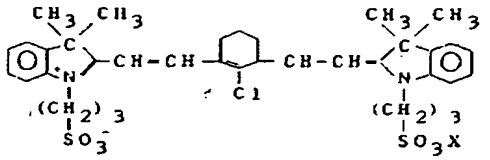
APPLICATION DATE : 27-07-88
APPLICATION NUMBER : 63187345

APPLICANT : DAINIPPON PRINTING CO LTD;

INVENTOR : KOMORI TETSUO;

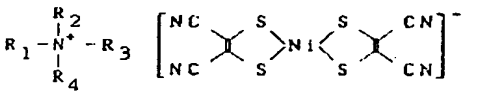
INT.CL. : B41M 5/26 G11B 7/24

TITLE : COMPOSITION FOR OPTICAL RECORDING MATERIAL



(ただし、上式(1)中において、Xは、H、NaまたはKである。)

(1)



(ただし、上式(2)中、R1、R2、R3およびR4は、炭素数1～30のアルキル基である。)

(2)

ABSTRACT : PURPOSE: To obtain an optical recording material with satisfactory absorption to laser beam of an infrared or near infrared wavelength range by adding a mixture of specific cyanine compound with dithiolate nickel complex having alkylammonium as a counter ion.

CONSTITUTION: A composition contains a mixture of a cyanine compound expressed by formula (1) and a dithiolate nickel complex having alkylammonium as a counter ion expressed by formula (2). In addition, the composition has a recording layer 2 on the surface of a basic material 1. In this case, the ideal thickness of the recording layer is about 1-20μm. If the recording layer is excessively thin, a correct laser focus is not obtained when information is written. In the meantime, if the layer is excessively thick, sharp pits are hardly formed due to heat diffusion. The recording layer thus obtained has satisfactory absorption properties in a semiconductor laser wavelength range of 750-950nm.